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by S. A. Lebedev, L. V. Kantorovic.  
RUSSIAN, bk, Vol 1, Part 4, 1963.  
Amer. Mat. Soc. IC No. 62-22016

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June 66

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Some Anomalies in the Behavior of Metals Heated by  
High-Surge Pulses (excerpts), by S. F. Iabedov, S. E. K.  
E. Kharikin, 8 pp.

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pp 629-639.

AEC/SCL-T-245

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Examining the Mechanical Method of Triangulation  
From Photographs, by S. M. Lebedev.

RUSSIAN, per, Geodesy i Kartografiya, No 8, 1950,  
pp 40-43.

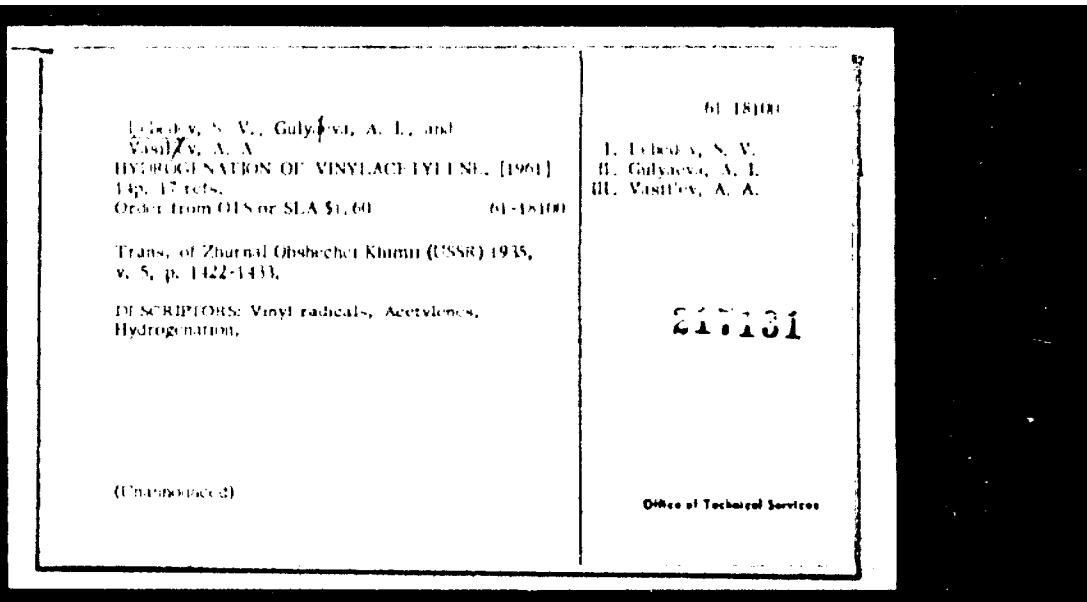
ATIC MCL-163/V

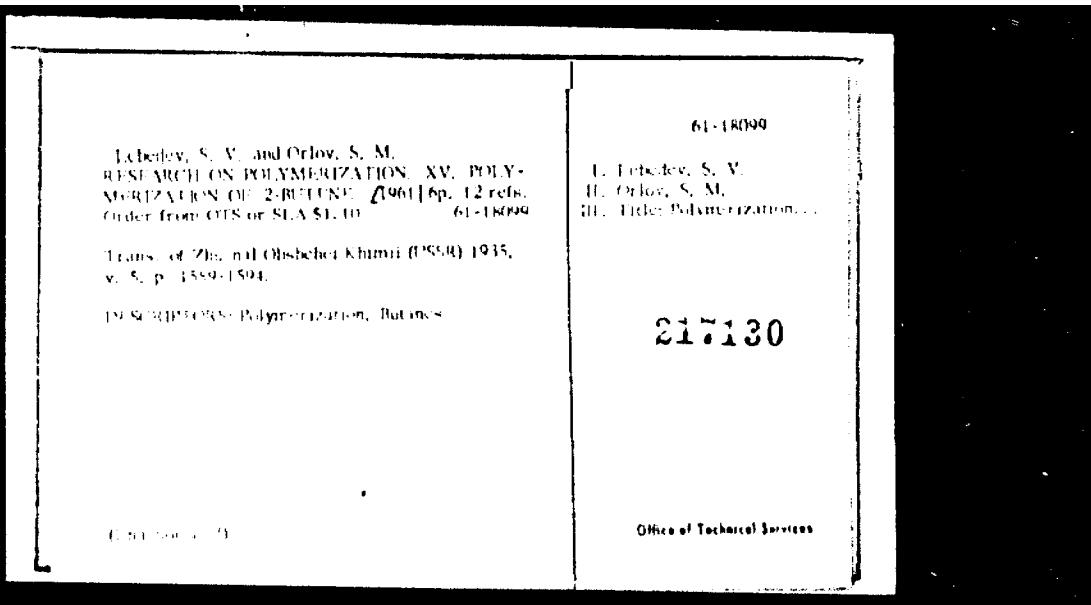
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<p>Lebedev, S. V. PREPARATION OF BUTADIENE DIRECTLY FROM ALCOHOL. [1961] 25p. 29 refs. Order from OTS or SLA \$2.60 61-18060</p> <p>Trans. of Zhurnal Obshchel Khimii (USSR) 1933, v. 3, p. 698-717.</p> <p>DESCRIPTORS: Butadienes, Synthesis, Alcohols.</p> <p>(Unannounced)</p>	<p>61-18060</p> <p>I. Lebedev, S. V.</p> <p>216125</p> <p>Office of Technical Services</p>	
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<p>Lebedev, S. V., Gorin, Yu. A. and others. MECHANISM OF THE CONTACT CONVERSION OF ALCOHOLS TO DIENE HYDROCARBONS. [1961] 18p 21 refs. Order from OTS or SLA \$1.60      61-18200  Trans. of Sinteticheskii Kauchuk (USSR) 1935 [v. 4] no. 1, p. 8-27.  DESCRIPTORS: Alcohols, Decomposition, Hydro- carbons, Butadienes, Dienes, Synthesis.</p> <p>(Unannounced)</p>	<p>61-18200 I. Lebedev, S. V. II. Gorin, Yu. A.  C 1 1 - C 1 1 U I</p> <p>Office of Technical Services</p>
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excerpts only  
Some Anomalies in the Behavior of Metals Heated by  
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RUSSIAN, per, Zhur Eksper Teoret Fiz, Vol XXVI,  
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Lebedev, S. V., Khokhlovkin, M. A. and others.  
KINETICS OF THE PROCESS OF THERMAL POLYMERIZATION OF BUTADIENE. [1961] 11p, 16 refs.  
Order from OTS or SLA \$1.60 61-18074

Trans. of Zhurnal Fizicheskoi Khimii (USSR) [1935]  
v. 6, p. 130ff (also pub. in mono. Lebedev, S. V.,  
Life and Works, Leningrad, 1938, p. 647-662).

DESCRIPTORS: Butadienes, Polymerization, Reaction Kinetics, Temperature, Velocity, Oxygen

Thermal polymerization of butadiene within the temperature interval of 110-200° was investigated, and reaction velocity curves obtained for each temperature. It was established that the order of the reaction changes with change of the temperature of the experiment. The average order of the reaction determined according to van't Hoff is approximately 1.5. The accelerating effect (Chemistry--Physical, TT, v. 9, no. 2) (over)

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Preparation of 1,3-Butadiene From  
Petroleum and Its Fractions, by S. V.  
Lebedev, G. M. Nagan, S. V. Kretzschmar,  
B. D. Mustrya, V. G. Moor, 14pp.  
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Vol 1, 1930, pp 471-490.  
CPSTI TT-01A10051.

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Preparation of 1,3-Butadiene From  
Petroleum and Its Fractions, by S. V.  
Lebedev, G. M. Kagan, S. V. Katzman,  
B. D. Kistrya, V. G. Moor, 11 pp.  
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Heats of Combustion of Isoprene and Products  
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DIMERIZATION OF 1,3-BUTADIENE. [1961] 14p  
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Condensed trans. of Zhurnal Obshchey Khimii (USSR)  
1935, v. 5, p. 1839-1858.  
  
DESCRIPTIONS: \*Butadienes, Polymerization, \*Cyclohexenes, Vinyl radicals, \*Bromides, Synthesis (Chemistry), Molecular structure, Crystal structure

TT-61-16602

I. Title: S-Vinyl cyclohexene  
I. Lebedev, S. V.  
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Lebedev, S. V. and Slobodin, Ya. M.  
ISOMERIZATION OF HYDROCARBONS OF THE  
DIALYL SERIES BY SILICATES. [1961] 7p 18refs  
Order from OTS, SLA, or ETC \$1.10 TT-61-16615

Trans. of Zhurnal Obshchey Khimii (USSR) 1934,  
v. 4 [no. 1] p. 23-30.  
Another trans. is available from SLA as  
SLA-R-3964, 8p.

DESCRIPTORS: \*Dienes, Molecular isomerism,  
\*Butanes, Bromination, Grignard reactions, \*Butenes,  
\*Butadienes, Synthesis (Chemistry), Polymerization,  
\*Silicates, Allyl radicals.

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III. SLA-R-3964

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Phenomena in Tungsten Wires Preceding Their  
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by S. V. Lebedev, 33 pp.

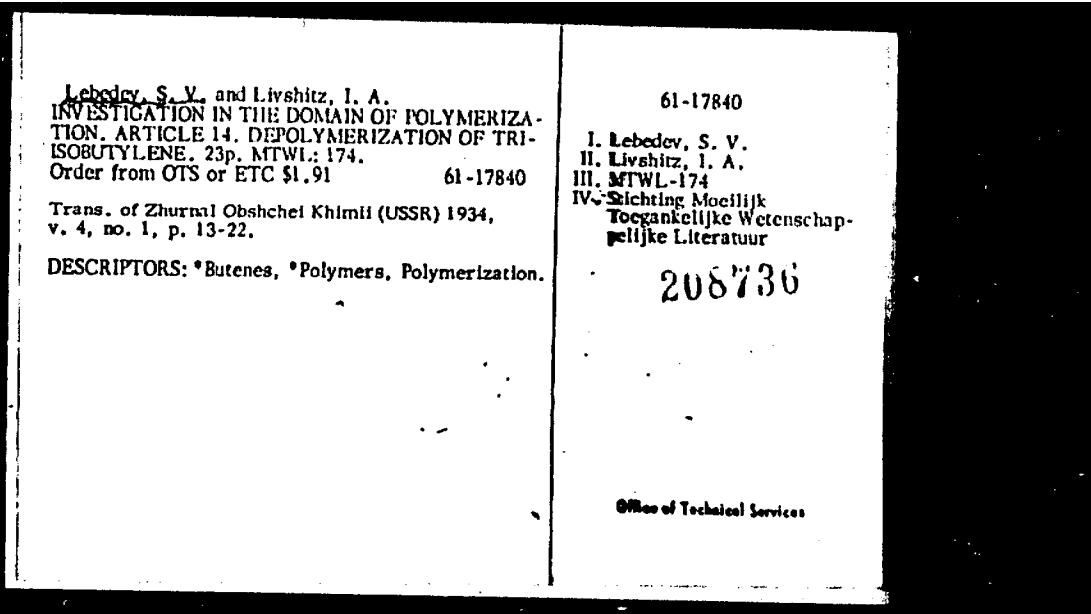
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INVESTIGATION IN THE DOMAIN OF POLYMERIZATION. ARTICLE 12. 21p. MTWL: 175.  
Order from OTS or ETC \$1.87 61-17841

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DESCRIPTORS: \*Polymerization, \*Butenes.

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Violation of the Boguslavskiy-Langmuir Law Concerning  
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S. V. Lebedev, 10 pp.

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Phenomena in Tungsten Wires Preceding Their Disintegration Under the Effects of Heavy Current, by  
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Anomalous Electron Emission of Tungsten Heated by  
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S. E. Khadkin, ll. N.P.

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Dependence of the Electrical Conductivity and  
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Process of Its Heating by a Current of High Density,  
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Composition of the Butylenes Obtained in the  
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Thermoelectron Emission of Certain Materials  
in Cesium Vapors, by S. Ya. Lebedev and Yu.  
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On the Problem of the Nature of Phase Trans-  
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I. S. Lebedev and K. A. Solyubakh, et al.,  
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Investigations in the Ukraine According to the  
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